



2873 #4

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Gordon D. Ford

Serial No.: 09/960,629

Filed: September 21, 2001

Title: LENS FOCUSING DEVICE, SYSTEM
AND METHOD FOR USE WITH
MULTIPLE WAVELENGTHS

By the Examiner:

Group Art Unit: 2873

Applied Science Fiction, Inc.
8920 Business Park Drive
Austin, Texas 78759

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Washington, D.C. 20231

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Martha Rocha

Print Name

Signature

Dear Sir:

TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified application for patent are the
following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of references.

No fee is due.

PATENT

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Simon, Galasso & Frantz PLC Deposit Account No. 50-1259.

RESPECTFULLY SUBMITTED,
Gordon D. Ford

By: Raymond M. Galasso
Raymond M. Galasso
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INFORMATION DISCLOSURE STATEMENT

Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

PATENT

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98(a)(1).

A copy of each of these items on PTO-1449 is supplied herewith.

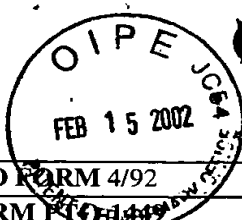
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FORM PTO 3449										ATTY. DOCKET		ASF00069		SERIAL NO. 09/960629		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION										APPLICANT		Gordon D. Ford				
DISCLOSURE STATEMENT										FILING DATE		Sep. 21, 2001		GROUP 2873		
										FOR: LENS FOCUSING DEVICE, SYSTEM AND METHOD FOR USE WITH MULTIPLE WAVELENGTHS						
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		4	6	7	0	7	7	9	Jun. 2, 1987	Nagano	358	75				
		4	6	7	7	4	6	5	Jun. 30, 1987	Alkofer	358	80				
		4	6	8	0	6	3	8	Jul. 14, 1987	Childs	358	214				
		4	7	0	0	2	2	9	Oct. 13, 1987	Herrmann et al.	358	166				
		4	7	7	5	2	3	8	Oct. 4, 1988	Weber	356	431				
		4	7	9	6	0	6	1	Jan. 3, 1989	Ikeda et al.	355	73				
		4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80				
		4	9	3	3	5	6	6	Jun. 12, 1990	Masaaki et al.	250	563				
		4	9	3	7	7	2	0	Jun. 26, 1990	Kirchberg	363	41				
		4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228				
		4	9	7	2	0	9	1	Nov. 20, 1990	Cielo et al.	250	562				
		4	9	8	9	9	7	3	Feb. 5, 1991	Noso et al.	356	239				
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		WO 84/02019							May 25, 1984		PCT		G06F		15/20	
		WO 89/06890							Jul. 27, 1989		PCT		H04N		3/36	
		WO 90/01240							Feb. 8, 1990		PCT		H04N		1/40	
		WO 91/09493							Jun. 27, 1991		PCT		H04N		5/127	
		WO 92/05469							Apr. 2, 1992		PCT		G03B		27/53	
		WO 95/15530							Jun. 8, 1995		PCT		G06F		17/14	
		WO 97/16028							May 1, 1997		PCT		H04N		7/30	
OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)																
		New Adaptive Vector Filter Based on Noise Estimate, Mei Yu, et al., IEICE Trans Fundamentals, Vol. E82, No. 6, June, 1999.														
		A Robust Method for Parameter Estimation of Signal-Dependent Noise Models in Digital Images, B. Aiazzi, et al., IEEE, 1997, pp. DSP 97 - 601-604.														
		A Regularized Iterative Image Restoration Algorithm, Aggelos K. Katsaggelos, et al., IEEE, 1991, pp. 914-929.														
		Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images, M. Doyle, et al., 8306 Magnetic Resonance in Medicine, May, 31, 1994, No. 5, Baltimore, MD., pp. 546-550														
		Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement, Til Aach, et al., IEEE, 1996, pp. 335-338.														
		Adaptive-neighborhood filtering of images corrupted by signal-dependent noise, Rangaraj M. Rangayyan et al., Applied Optics, Vol. 37, No. 20, July 10, 1998, pp. 4477-4487.														
EXAMINER DATE CONSIDERED																
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.																

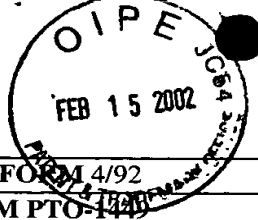


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FORM PTO-1449										ATTY. DOCKET		ASF00069	SERIAL NO.		09/960629
LIST OF PATENTS AND PUBLICATIONS										APPLICANT		Gordon D. Ford et al			
FOR APPLICANT'S INFORMATION										FILING DATE		Sep. 21, 2001	GROUP		2873
DISCLOSURE STATEMENT										FOR: LENS FOCUSING DEVICE, SYSTEM AND METHOD FOR USE WITH MULTIPLE WAVELENGTHS					
UNITED STATES LETTERS PATENT															
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		5	0	4	7	9	6	8	Sep. 10, 1991	Carrington et al.	364	574			
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		5	2	6	6	8	0	5	Nov. 30, 1993	Edgar	250	330			
		5	2	9	1	2	8	6	Mar. 1, 1994	Murakami et al.	348	469			
		5	2	6	7	0	3	0	Nov. 30, 1993	Giorgianni et al.	358	527			
		5	3	1	1	3	1	0	May 10, 1994	Jozawa et al.	348	416			
		5	3	3	5	0	8	6	Aug. 2, 1994	Kitamura	358	431			
		5	3	7	1	5	4	2	Dec. 6, 1994	Pauli et al.	348	262			
		5	4	4	7	8	1	1	Sep. 5, 1995	Buhr et al.	430	20			
		5	4	4	8	3	8	0	Sep. 5, 1995	Park	358	520			
		5	4	5	2	0	1	8	Sep. 19, 1995	Capitant et al.	348	651			
		5	4	6	5	1	5	5	Nov. 7, 1995	Edgar	385	500			
		5	4	6	5	1	6	3	Nov. 7, 1995	Yoshihara et al.	358	444			
		5	4	7	7	3	4	5	Dec. 19, 1995	Tse	358	500			
		5	5	0	9	0	8	6	Apr. 16, 1996	Edgar et al.	382	167			
		5	5	1	6	6	0	8	May 14, 1996	Hobbs et al.	430	30			
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS			
		WO 98/31142							Jul. 16, 1998	PCT	H04N	5/253			
		WO 98/34397							Aug. 6, 1998	PCT	H04N				
		WO 99/40729							Aug. 12, 1999	PCT	H04N	9/11			
		WO 01/48694							Jul. 5, 2001	PCT	G06T	5/00			
		GB 2 283 633 A							May 10, 1995	United Kingdom	H04N	5/262			
		DE 28 21 868 A1							Nov. 22, 1979	Germany	G01N	21/32			
		DE 196 36 867 C1							Jan. 2, 1998	Germany	H04N	5/21			
OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)															
		<i>Grayscale Characteristics</i> , Photographic Negatives The Nature of Color Images, Digital Color Management, Giorgianni, et al., Jan. 1998, pp. 163-168.													
		<i>Digital Imaging Equipment White Papers</i> , Putting Damaged Film on Ice, A Technical Discussion of Advances in Digital Imaging, Nikon Corporation, http://www.nikonusa.com/reference/whitepapers/imaging/ditechdisc.html , Aug. 5, 1999.													
		<i>Local Cosine Transform – A Method for the Reduction of the Blocking Effect in JPEG</i> , Gil Aharoni, et al., Journal of Mathematical Imaging and Vision, 3, 7-38, 1993.													
		<i>Digital ICE</i> , Applied Science Fiction, Inc., http://www.asf.com/html/o_products/iceprod.html , Aug. 5, 1999.													
		<i>About Digital ICE Technology</i> , Applied Science Fiction, Inc., http://www.asf.com/html/o_products/icetech.html , Aug. 5, 1999.													
		<i>2-D Adaptive Volterra Filter for 2-D Nonlinear Channel Equalisation and Image Restoration</i> , J.N. Lin, et al., Electronic Letters, Vol. 28, No. 2, Jan. 16, 1992, pp. 180-182.													

EXAMINER

DATE CONSIDERED

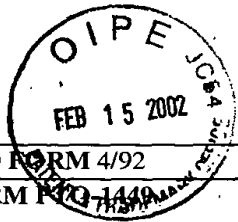
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FORM PTO-1429										ATTY. DOCKET	ASF00069	SERIAL NO.	09/960629	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION										APPLICANT	Gordon D. Ford			
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		5	5	8	1	3	7	6	Dec. 3, 1996	Harrington	358	518		
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		5	6	6	6	4	4	3	Sep. 9, 1997	Kumashiro	382	266		
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		5	7	2	9	6	3	1	Mar. 17, 1998	Wober et al.	382	232		
		5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464		
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		EP 1 547 811							Jun. 27, 1979	Europe	H04N	3/36		
		EP 0 422 220 A1							Apr. 17, 1991	Europe	A61B	6/03		
		EP 0 482 790 B1							Apr. 29, 1992	Europe	H04N	1/40		
		EP 0 527 097 A2							Feb. 10, 1993	Europe	H04N	1/40		
		EP 0 569 142 A1							Nov. 10, 1993	Europe	H04N	5/253		
		EP 0 624 848 A2							Nov. 17, 1994	Europe	G06F	15/68		
		EP 0 669 753 A2							Aug. 30, 1995	Europe	H04N	1/407		
		EP 0 716 538 A2							Jun. 12, 1996	Europe	H04N	1/50		
		EP 0 751 670 A2							Jan. 2, 1997	Europe	H04N	1/10		
		EP 0 768 621 A2							Apr. 16, 1997	Europe	G06T	5/20		
		EP 0 794 454 A2							Sep. 10, 1997	Europe	G03B	27/73		
		EP 0 816 833 A2							Jan. 7, 1998	Europe	G01N	21/88		
		EP 0 816 833 A3							Aug. 26, 1998	Europe	G01N	21/88		
		EP 0 893 914 A2							Jan. 27, 1999	Europe	H04N	5/253		
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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		5	9	6	3	6	6	2	Oct. 5, 1999	Vachtsevanos et al.	382	150
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		6	0	0	5	9	8	7	Dec. 21, 1999	Nakamura et al.	382	294
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		6	0	7	5	9	0	5	Jun. 13, 2000	Herman et al.	382	284
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		6	0	7	8	7	0	1	Jun. 20, 2000	Hsu et al.	382	294
		6	1	0	1	2	7	3	Aug. 8, 2000	Matama	382	169
		6	1	2	8	4	1	6	Oct. 3, 2000	Oura	382	284
		6	2	3	9	8	8	6	May 29, 2001	Klasser et al.	358	518

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		JP 11185028							Jul. 9, 1999	Japan	G06T	1/00
		JP 4-291139							Oct. 15, 1992	Japan	G01N	21/89
		JP 2000-13604							Jan. 14, 2000	Japan	H04N	1/409
		JP 2000-196813A							Jul. 14, 2000	Japan	H04N	1/4

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